Francisca Randez-Gil

List of Publications by Year
in descending order

53 papers	2,099 citations	236925 25 h-index	233421 45 g-index
54 all docs	54 docs citations	54 times ranked	2144 citing authors

#	Article	IF	Citations
1	Fluidization of Membrane Lipids Enhances the Tolerance of Saccharomyces cerevisiae to Freezing and Salt Stress. Applied and Environmental Microbiology, 2007, 73, 110-116.	3.1	181
2	Cold response inSaccharomyces cerevisiae: new functions for old mechanisms. FEMS Microbiology Reviews, 2007, 31, 327-341.	8.6	175
3	A Downshift in Temperature Activates the High Osmolarity Glycerol (HOG) Pathway, Which Determines Freeze Tolerance in Saccharomyces cerevisiae. Journal of Biological Chemistry, 2006, 281, 4638-4645.	3.4	164
4	Yeast Clk-1 Homologue (Coq7/Cat5) Is a Mitochondrial Protein in Coenzyme Q Synthesis. Journal of Biological Chemistry, 1998, 273, 3351-3357.	3.4	120
5	Carbon Source-Dependent Phosphorylation of Hexokinase PII and Its Role in the Glucose-Signaling Response in Yeast. Molecular and Cellular Biology, 1998, 18, 2940-2948.	2.3	112
6	Engineering bakerâ€™s yeast: room for improvement. Trends in Biotechnology, 1999, 17, 237-244.	9.3	106
7	Hexokinase PII has a double cytosolic-nuclear localisation inSaccharomyces cerevisiae. FEBS Letters, 1998, 425, 475-478.	2.8	90
8	Isolation, Purification, and Characterization of a Cold-Active Lipase fromAspergillus nidulans. Journal of Agricultural and Food Chemistry, 2000, 48, 105-109.	5.2	89
9	Osmotolerance and leavening ability in sweet and frozen sweet dough. Comparative analysis between Torulaspora delbrueckii and Saccharomyces cerevisiae baker's yeast strains. Antonie Van Leeuwenhoek, 2003, 84, 125-134.	1.7	68
10	Gene Expression Analysis of Cold and Freeze Stress in Baker's Yeast. Applied and Environmental Microbiology, 2002, 68, 3024-3030.	3.1	59
11	Genetic and Phenotypic Characteristics of Baker's Yeast: Relevance to Baking. Annual Review of Food Science and Technology, 2013, 4, 191-214.	9.9	57
12	Proteomic evolution of a wine yeast during the first hours of fermentation. FEMS Yeast Research, 2008, 8, 1137-1146.	2.3	51
13	The Activity of Yeast Hog1 MAPK Is Required during Endoplasmic Reticulum Stress Induced by Tunicamycin Exposure. Journal of Biological Chemistry, 2010, 285, 20088-20096.	3.4	51
14	DOGR1 andDOGR2: Two genes fromSaccharomyces cerevisiae that confer 2-deoxyglucose resistance when overexpressed. Yeast, 1995, 11, 1233-1240.	1.7	46
15	Purification and characterization of a new Î±-amylase of intermediate thermal stability from the yeast Lipomyces kononenkoae. Biochemistry and Cell Biology, 1995, 73, 41-49.	2.0	46
16	Construction of baker's yeast strains that secrete Aspergillus oryzae alpha-amylase and their use in bread making. Journal of Cereal Science, 1995, 21, 185-193.	3.7	39
17	Heterologous Expression of Type I Antifreeze Peptide GS-5 in Baker's Yeast Increases Freeze Tolerance and Provides Enhanced Gas Production in Frozen Dough. Journal of Agricultural and Food Chemistry, 2005, 53, 9966-9970.	5.2	37
18	Validation of a Flour-Free Model Dough System for Throughput Studies of Baker's Yeast. Applied and Environmental Microbiology, 2005, 71, 1142-1147.	3.1	36

#	ARTICLE	IF	CITATIONS
19	Regulation of Salt Tolerance by Torulaspora delbrueckii Calcineurin Target Crz1p. Eukaryotic Cell, 2006, 5, 469-479.	3.4	31
20	Protein kinase Snf1 is involved in the proper regulation of the unfolded protein response in <i>Saccharomyces cerevisiae</i>. Biochemical Journal, 2015, 468, 33-47.	3.7	31
21	Molecular characterization of a gene that confers 2-deoxyglucose resistance in yeast. Yeast, 1994, 10, 1195-1202.	1.7	29
22	Engineering of baker's yeasts,E. coliandBacillushosts for the production ofBacillus subtilisLipase A. Biotechnology and Bioengineering, 2002, 78, 339-345.	3.3	29
23	Overexpression of the Calcineurin Target CRZ1 Provides Freeze Tolerance and Enhances the Fermentative Capacity of Baker's Yeast. Applied and Environmental Microbiology, 2007, 73, 4824-4831.	3.1	29
24	Adaptive evolution of baker's yeast in a doughâ€like environment enhances freeze and salinity tolerance. Microbial Biotechnology, 2010, 3, 210-221.	4.2	29
25	The expression of a specific 2-deoxyglucose-6P phosphatase prevents catabolite repression mediated by 2-deoxyglucose in yeast. Current Genetics, 1995, 28, 101-107.	1.7	28
26	Sng1 associates with Nce102 to regulate the yeast Pkhâ€"Ypk signalling module in response to sphingolipid status. Biochimica Et Biophysica Acta - Molecular Cell Research, 2016, 1863, 1319-1333.	4.1	28
27	Characterization of the S. cerevisiae inp51 mutant links phosphatidylinositol 4,5-bisphosphate levels with lipid content, membrane fluidity and cold growth. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2016, 1861, 213-226.	2.4	23
28	The Antarctic yeast Candida sake: Understanding cold metabolism impact on wine. International Journal of Food Microbiology, 2017, 245, 59-65.	4.7	23
29	Bakerâ€™s yeast: challenges and future prospects. Topics in Current Genetics, 2003, , 57-97.	0.7	21
30	Expression ofAspergillus oryzaeÃŽÂ±-amylase gene inSaccharomyces cerevisiae. FEMS Microbiology Letters, 1993, 112, 119-124.	1.8	20
31	Redox engineering by ectopic expression of glutamate dehydrogenase genes links NADPH availability and NADH oxidation with cold growth in Saccharomyces cerevisiae. Microbial Cell Factories, 2015, 14, 100.	4.0	20
32	Low temperature highlights the functional role of the cell wall integrity pathway in the regulation of growth in <i>Saccharomyces cerevisiae</i>. Biochemical Journal, 2012, 446, 477-488.	3.7	19
33	Myriocinâ€induced adaptive laboratory evolution of an industrial strain of <i>Saccharomyces cerevisiae</i> reveals its potential to remodel lipid composition and heat tolerance. Microbial Biotechnology, 2020, 13, 1066-1081.	4.2	17
34	Cloning and characterization of the gene encoding a high-affinity maltose transporter from. FEMS Yeast Research, 2004, 4, 467-476.	2.3	16
35	Direct derivative spectrophotometric determination of nitrazepam and clonazepam in biological fluids. Journal of Pharmaceutical and Biomedical Analysis, 1991, 9, 539-545.	2.8	15
36	Isolation and characterization of theLGT1gene encoding a low-affinity glucose transporter fromTorulaspora delbrueckii. Yeast, 2005, 22, 165-175.	1.7	15

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37	Hog1 Mitogen-Activated Protein Kinase Plays Conserved and Distinct Roles in the Osmotolerant Yeast Torulaspora delbrueckii. Eukaryotic Cell, 2006, 5, 1410-1419.	3.4	15
38	Multicopy Suppression Screening of Saccharomyces cerevisiae Identifies the Ubiquitination Machinery as a Main Target for Improving Growth at Low Temperatures. Applied and Environmental Microbiology, 2011, 77, 7517-7525.	3.1	14
39	Characterization of a Torulaspora delbrueckii diploid strain with optimized performance in sweet and frozen sweet dough. International Journal of Food Microbiology, 2007, 116, 103-110.	4.7	13
40	Isolation and characterization of the geneURA3 encoding the orotidine-5?-phosphate decarboxylase fromTorulaspora delbrueckii. Yeast, 2002, 19, 1431-1435.	1.7	11
41	Global expression studies in baker's yeast reveal target genes for the improvement of industrially-relevant traits: the cases of CAF16 and ORC2. Microbial Cell Factories, 2010, 9, 56.	4.0	11
42	Nuclear versus cytosolic activity of the yeast Hog1 MAP kinase in response to osmotic and tunicamycinâ€induced ER stress. FEBS Letters, 2015, 589, 2163-2168.	2.8	10
43	Pho85 and PI(4,5)P2 regulate different lipid metabolic pathways in response to cold. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2020, 1865, 158557.	2.4	10
44	Near-freezing effects on the proteome of industrial yeast strains of Saccharomyces cerevisiae. Journal of Biotechnology, 2016, 221, 70-77.	3.8	9
45	Hexose transport in Torulaspora delbrueckii: identification of Igt1, a new dual-affinity transporter. FEMS Yeast Research, 2020, 20, .	2.3	9
46	Slt2 Is Required to Activate ER-Stress-Protective Mechanisms through TORC1 Inhibition and Hexosamine Pathway Activation. Journal of Fungi (Basel, Switzerland), 2022, 8, 92.	3.5	8
47	The formation of hybrid complexes between isoenzymes of glyceraldehydeâ€3â€phosphate dehydrogenase regulates its aggregation state, the glycolytic activity and sphingolipid status in <i>Saccharomyces cerevisiae</i>. Microbial Biotechnology, 2020, 13, 562-571.	4.2	7
48	Sphingolipids and Inositol Phosphates Regulate the Tau Protein Phosphorylation Status in Humanized Yeast. Frontiers in Cell and Developmental Biology, 2020, 8, 592159.	3.7	7
49	Nucleotide sequence of a putative peroxisomal protein from the yeastLipomyces kononenkoae. FEMS Microbiology Letters, 1994, 122, 153-157.	1.8	6
50	Uraâˆ’ host strains for genetic manipulation and heterologous expression of Torulaspora delbrueckii. International Journal of Food Microbiology, 2003, 86, 79-86.	4.7	6
51	Isolation and characterization of the carbon cataboliteâ€derepressing protein kinase Snf1 from the stress tolerant yeast <i>Torulaspora delbrueckii</i>. Yeast, 2010, 27, 1061-1069.	1.7	6
52	A DNA region ofTorulaspora delbrueckii containing theHIS3 gene: sequence, gene order and evolution. Yeast, 2003, 20, 1359-1368.	1.7	3
53	Inappropriate translation inhibition and P-body formation cause cold-sensitivity in tryptophan-auxotroph yeast mutants. Biochimica Et Biophysica Acta - Molecular Cell Research, 2017, 1864, 314-323.	4.1	3